Selectone

ST-120 APPLICATION NOTE #2126

FOR USE WITH: **Kenwood TKR-820(Burst Tone Access Repeater)** APPROVAL DATE: 11OCT88 BY: WDC

CONNECTIONS

TONE UNIT		RADIO		
(+) SUPPLY	(RED)	CN1-1	SIG. UNIT	SB
(-) SUPPLY	(BLACK)	CN1-11	SIG. UNIT	GND
TONE INPUT	(GREEN)	CN1-8	SIG. UNIT	AFO
MONITOR/HOOK SWITCH	(BROWN)	(SEE NOTE 1 BELOW)		
DECODE LATCHED	(WHT/ORG)	COL. Q7	DISPLAY UNIT	KEY
DECODE MOMENTARY	(WHT/VIO)	NC		
LAMP (-)	(BLK/ORG)	NC		
SET	(WHITE)	NC		

MODIFICATIONS

USER:

JU1=B
JU3=SHORT

(Note!) While the circuit shown to the left has been used successfully it is recommended that the coil circuit of the relay be bufered with an NPN transistor to prevent variations in output power due to **loading** of Tx 8V supply.

```
                    ---- +12VDC
CN8-5--/\/\/\---|
      1200 ohm     ---- Relay coil
```

1. ADD THE FOLLOWING CIRCUIT USED TO PROVIDE RESET AFTER LOSS OF CARRIER.

```
 CN8-5 (Tx/Rx UNIT) TRANSMIT 8V
         ---
          |    _____   ___ BROWN
           -*-O| C | |    WIRE
REED RELAY  |  | O | |
>500 ohms      | I |  /
Rcoil       |  | L | |
           -*-O|___| |
          |          |
         _____      _____
        /////      /////
```

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